

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1-20. (Cancelled)

21. (Previously presented) A method for transferring image data in real time for projection by a pixel panel, the method comprising:

extracting a predefined amount of image data from a memory using a digital signal processor;

calculating an angle of rotation between the pixel panel and a subject based on a value K, wherein the value K defines a number of points of the pixel panel that fall onto a single scan line;

calculating a location for each of a plurality of image portions of the extracted image data on the pixel panel, wherein each location accounts for the angle of rotation;

loading each bit from each of the image portions into a corresponding one of a plurality of registers of a shift register, wherein the loading orders the bits based on the location calculated for each image portion;

transferring each of the image portions into a frame buffer; and

transferring each frame to the pixel panel, wherein the extracting, calculating, loading, and transferring occurs in real time in response to a demand for image data for the pixel panel.

22. (Previously presented) The method of claim 21 wherein loading each bit includes placing each bit from a single image portion into a separate register in a position corresponding to a position of each of the other bits from the single image portion in other registers.

23. (Previously presented) The method of claim 22 wherein transferring each of the image portions into a frame buffer includes shifting a corresponding bit of each register into a single frame.

24. (Previously presented) The method of claim 21 wherein loading each bit includes sequentially placing all bits from a single image portion into a single register.

25. (Previously presented) The method of claim 21 wherein K is greater than 1.